

Amendments to the Claims:

Please cancel all claims and enter new claims 15-31 as follows:

1-14. (Canceled)

15. (New) A safe injection device comprising a syringe having a syringe body, a needle, and a piston suitable for moving in the body to perform an injection, and a protective sheath, the syringe body and the protective sheath being suitable for sliding relative to each other between an injection configuration in which the needle projects beyond the protective sheath which is disposed around the syringe body, and a protection configuration in which the needle extends inside said sheath, the device including a trigger member suitable for causing the device to pass from the injection configuration to the protection configuration at the end of the injection stroke, the trigger member being secured to an actuator head of the piston, the device comprising an inhibitor member suitable for occupying an inhibit position in which said inhibitor member defines a first end-of-injection-stroke position for the piston in which the trigger member is unable to cause the device to pass from the injection configuration to the protection configuration, and the inhibitor member is suitable for being moved from said inhibit position to enable the piston to reach a second end-of-injection-stroke position in which the trigger member is able to cause the device to pass from the injection configuration to the protection configuration, wherein in the inhibit position, the inhibitor member is connected to the actuator head of the piston, being constrained to move therewith and is suitable for co-operating in abutment with an element of the device that is stationary relative to the syringe body to define the first end-of-injection-stroke position, and the inhibitor member is suitable for being separated from the piston to enable the second end-of-injection-stroke position to be reached.

16. (New) A device according to claim 15, wherein, in the inhibit position, the inhibitor member passes through the head of the piston.

17. (New) A safe injection device comprising a syringe having a syringe body, a needle, and a piston suitable for moving in the body to perform an injection, and a protective sheath, the syringe body and the protective sheath being suitable for sliding relative to each other between an injection configuration in which the needle projects beyond the protective sheath which is disposed around the syringe body, and a protection configuration in which the needle extends inside said sheath, the device including a trigger member suitable for causing the device to pass from the injection configuration to the protection configuration at the end of the injection

stroke, the trigger member being secured to an actuator head of the piston, the device comprising an inhibitor member suitable for occupying an inhibit position in which said inhibitor member defines a first end-of-injection-stroke position for the piston in which the trigger member is unable to cause the device to pass from the injection configuration to the protection configuration, and the inhibitor member is suitable for being moved from said inhibit position to enable the piston to reach a second end-of-injection-stroke position in which the trigger member is able to cause the device to pass from the injection configuration to the protection configuration, wherein in the inhibit position, the inhibitor member is connected to the actuator head of the piston, being constrained to move therewith and is suitable for co-operating in abutment with an element of the device that is stationary relative to the syringe body to define the first end-of-injection-stroke position, and the inhibitor member is suitable for being displaced relative to the piston to enable the second end-of-injection-stroke position to be reached.

18. (New) A device according to claim 17, wherein, in the inhibit position, the inhibitor member passes through the head of the piston.

19. (New) A safe injection device comprising a syringe having a syringe body, a needle, and a piston suitable for moving in the body to perform an injection, and a protective sheath, the syringe body and the protective sheath being suitable for sliding relative to each other between an injection configuration in which the needle projects beyond the protective sheath which is disposed around the syringe body, and a protection configuration in which the needle extends inside said sheath, the device including a trigger member suitable for causing the device to pass from the injection configuration to the protection configuration at the end of the injection stroke, the device including means for defining a first end-of-injection-stroke situation in which the trigger member is unable to cause the device to pass from the injection configuration to the protection configuration, and a second end-of-injection-stroke situation in which the trigger member is able to cause the device to pass from the injection configuration to the protection configuration, the trigger member being constrained to move with the piston, and said first and second end-of-injection-stroke situations corresponding respectively to first and second end-of-injection-stroke positions for the piston, the device including a housing in which a head of the piston is substantially retracted in the second end-of-injection-stroke position, whereas, in the first end-of-injection-stroke position, the piston head projects beyond said housing to provide a purchase enabling the piston to be pulled away from the needle.

20. (New) A device according to claim 19, including an inhibitor member suitable for occupying an inhibit position in which the end-of-injection-stroke situation is said first situation, and suitable for being moved relative to said inhibit position to enable the end-of-injection-stroke situation to be said second situation.

21. (New) A device according to claim 19, including abutment means suitable for being put into operation to define the first end-of-injection-stroke position and for being taken out of operation to enable the second end-of-injection-stroke position to be reached.

22. (New) A device according to claims 21, wherein in the inhibit position, the inhibitor member is connected to the piston being constrained to move therewith, and is suitable for co-operating in abutment with an element of the device that is stationary relative to the syringe body in order to define the first end-of-injection-stroke position.

23. (New) A device according to claim 22, wherein the inhibitor member is suitable for being separated from the piston, in order to enable the second end-of-injection-stroke position to be reached.

24. (New) A device according to claim 22, wherein the inhibitor member is suitable for being displaced relative to the piston, in order to enable the second end-of-injection-stroke position to be reached.

25. (New) A device according to claim 22, wherein the trigger member is secured to the actuator head of the piston, and the inhibitor member is connected to said head in the inhibit position.

26. (New) A device according to claim 25, wherein, in the inhibit position, the inhibitor member passes through the head of the piston.

27. (New) A safe injection device comprising a syringe having a syringe body, a needle, and a piston suitable for moving in the body to perform an injection, and a protective sheath, the syringe body and the protective sheath being suitable for sliding relative to each other between an injection configuration in which the needle projects beyond the protective sheath which is disposed around the syringe body, and a protection configuration in which the needle extends inside said sheath, the

device including a trigger member suitable for causing the device to pass from the injection configuration to the protection configuration at the end of the injection stroke, the trigger member being formed by a skirt secured to the piston head, the device including an inhibitor member formed by a part that, in an inhibit position, is fitted on the head of the piston and presents an end suitable for coming into abutment against an element that is stationary relative to the syringe body in order to define a first end-of-injection-stroke position for the piston in which the skirt is unable to cause the device to pass from the injection configuration to the protection configuration, and that is suitable for being separated from the head of the piston in order to enable a second end-of-injection-stroke position of the piston to be reached in which the skirt is able to cause the device to pass from the injection configuration to the protection configuration.

28. (New) A device according to claim 27, wherein, in the inhibit position, the inhibitor part passes through the head of the piston.

29. (New) A safe injection device comprising a syringe having a syringe body, a needle, and a piston suitable for moving in the body to perform an injection, and a protective sheath, the syringe body and the protective sheath being suitable for sliding relative to each other between an injection configuration in which the needle projects beyond the protective sheath which is disposed around the syringe body, and a protection configuration in which the needle extends inside said sheath, the device including a trigger member suitable for causing the device to pass from the injection configuration to the protection configuration at the end of the injection stroke, the device including means for defining a first end-of-injection-stroke situation in which the trigger member is unable to cause the device to pass from the injection configuration to the protection configuration, and a second end-of-injection-stroke situation in which the trigger member is suitable for causing the device to pass from the injection configuration to the protection configuration, and the trigger member being connected to the piston and being suitable for being displaced relative thereto between a position suitable for triggering in which, at the end of the injection stroke of the piston said trigger member is able to cause the device to pass from the injection configuration to the protection configuration, and a position unsuitable for triggering in which, at the end of the injection stroke of the piston, the trigger member is unable to cause the device to pass from the injection configuration to the protection configuration.

30. (New) A device according to claim 29, wherein the trigger member is axially

movable relative to the piston, the position suitable for triggering being offset towards the end of the piston that is directed towards the needle relative to the position that is unsuitable for triggering.

31. (New) A device according to claim 30, wherein the sliding movement of the trigger member relative to the piston includes a hard point for holding said trigger member in its position that is unsuitable for triggering.